

Environmental Practices at Hilton Hawaiian Village



We are a Village



- 22 acres
- 50% open space/
landscaped
- Over 3,000 rooms
- 21 restaurants
- 90+ shops
- 100,000+ sf
meeting space

Environmental Practices

Key Insight: Work with Strategic Partners

- **Recycling**
- **Water Conservation**
- **Energy Conservation Initiatives**
 - **No Cost**
 - **Low Cost**
 - **Capital Cost**

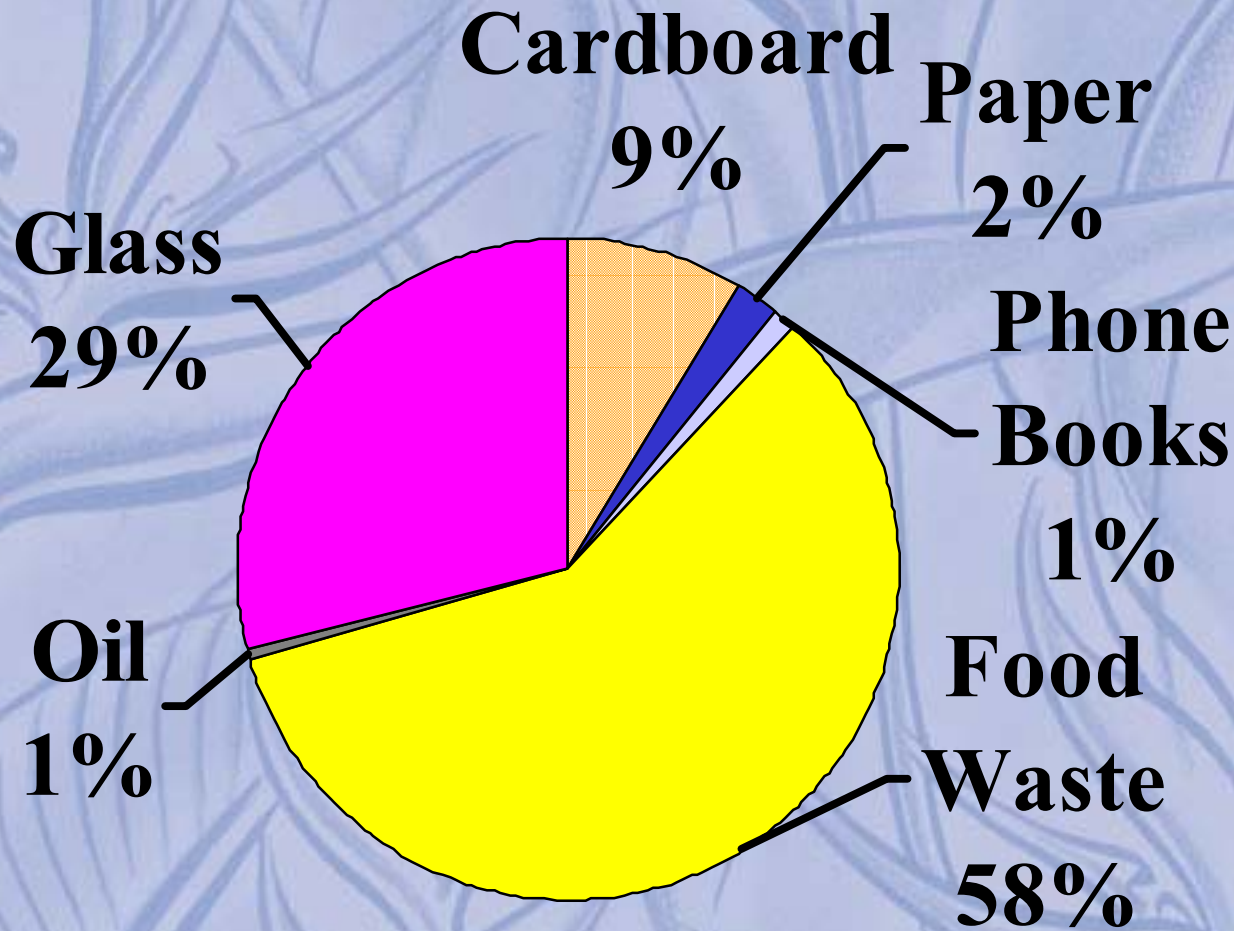


A) Recycling Efforts

- **Phone Books**
- **Paper**
- **Cardboard**
- **Food Waste**
- **Oil**
- **Glass**
- **Business office products**
- **Plastic (recently started)**



Over 1,360 Tons Recycled Annually



Great ROI: Save \$150,000 annually with no capital investment/minor operational expense

B) Water Conservation

**Save 33,651,772 gallons per year
Consumption since 1998 down 35% per occupied room**

- **Recycle air conditioning cooling water**
- **Converted to low-flush toilets**
- **Converted to low-flow shower heads**
- **Adjusted sprinkler timers**
- **Switched to sand filters in ponds & pools**
- **Green Room: guest “opt in” daily linen washing option**

Waste Water Conservation

- **Grease remediation**
 - Use of bacteria
 - Larger grease traps



C) No-cost Energy Saving Projects

- **Awareness programs:**
 - **Turning off lights and air conditioning when not in use**
 - **Closing doors to maintain proper air balance/AC boundaries**
 - **Planning room blocks and pre-set function room setup/breakdown with partial AC & lighting**
- **Raise back of house air conditioners 2 degrees and schedule nighttime “OFF” hours**

Low-cost Energy Saving Projects

- **Installed motion sensors for lighting in offices, kitchens, mechanical rooms, and Back of House areas**
- **Installed astrological automatic timers for grounds night lighting circuits**



Capital Expense Energy Saving Projects

- **Energy Management System**
 - Monitor and control water chillers, cooling towers, pumps, boilers, exhaust fans, air handlers, emergency generators
 - Event scheduling automatic ON & OFF times for ballroom
- **Replace chillers with larger high efficiency chillers without increasing electrical load**
- **Property wide lighting retrofits**

2001: \$146,000 in HECO rebates

Future Projects

- **Continue lighting retrofit**
- **Additional Central AC chiller replacement**
- **Installation of window tint in Rainbow & Lagoon towers**
- **Consider cogeneration thru use of micro-turbines**
- **Proximity sensors for water usage areas in kitchens**

**Our commitment
remains steadfast
in being faithful
stewards to the
'aina.**

